ABSTRACT OF THE DISCLOSURE

The invention relates to a carbonization plant and carbonization process that is able to suppress bridges of carbonized products from being generated in a rotary furnace body while the carbonized product is suppressed from adhering, and by which the carbonized product is efficiently produced with a uniform and good quality. The carbonization plant comprises a heating furnace 2, a rotary furnace body 4 freely rotatably supported in the heating furnace, a rotary drive means 5 for rotating the rotary furnace body, a scratch-up means (scratch-up member 6) provided at an inner face side of the rotary furnace body for scratching up a charged material (waste tire chips and/or their carbonized chips) in the rotary furnace body by rotation of the rotary furnace body, and a vibration means (chane-like members 7a, 7b) for vibrating the rotary furnace body.